


<b>For EPA Regional Use Only</b>  <b>Date Received</b> Month   Day   Year _____	 United States Environmental Protection Agency Washington, DC 20460 <h1 style="margin: 0;">Hazardous Waste Permit Application</h1> <h2 style="margin: 0;">Part A</h2> <p><i>(Read the Instructions before starting)</i></p>	<b>For State Use Only</b>  <div style="border: 1px solid black; padding: 5px; text-align: center;"> <b>RECEIVED</b>          BUREAU OF          AUG 23 1990          AIR AND WASTE          MANAGEMENT       </div>
<b>I. ID Number(s)</b>		
<b>A. EPA ID Number</b> K S D 0 0 0 2 0 3 6 3 8		<b>B. Secondary ID Number (if applicable)</b> _____
<b>II. Name of Facility</b> O L I N W A T E R S E R V I C E S		
<b>III. Facility Location (Physical address not P.O. Box or Route Number)</b>		
<b>A. Street</b> 3 1 5 5 F I B E R G L A S R O A D		
<b>Street (continued)</b> _____		
<b>City or Town</b> K A N S A S C I T Y		<b>State</b> K S
		<b>ZIP Code</b> 6 6 1 1 5 -
<b>County Code</b> (if known) 2 0 9	<b>County Name</b> W Y A N D O T T E	
<b>B. Land Type</b> (enter code) P	<b>C. Geographic Location</b> <b>LATITUDE</b> (degrees, minutes, & seconds) 3 9 0 8 0 4 7 <b>LONGITUDE</b> (degrees, minutes, & seconds) 0 9 4 3 6 0 5 8	<b>D. Facility Existence Date</b> Month   Day   Year 0 4 2 7 1 9 8 4
<b>IV. Facility Mailing Address</b>		
<b>Street or P.O. Box</b> 3 0 5 S U N S H I N E R O A D		
<b>City or Town</b> K A N S A S C I T Y		<b>State</b> K S
		<b>ZIP Code</b> 6 6 1 1 5 -
<b>V. Facility Contact (Person to be contacted regarding waste activities at facility)</b>		
<b>Name (last)</b> D A M E		<b>(first)</b> W I L L I A M
<b>Job Title</b> P L A N T M A N A G E R		<b>Phone Number (area code and number)</b> 9 1 3 - 6 2 1 - 6 4 1 0
<b>VI. Facility Contact Address (See Instructions)</b>		
<b>A. Contact Address</b> Location   Mailing _____	<b>B. Street or P.O. Box</b> _____	
<b>City or Town</b> _____		<b>State</b> _____
		<b>ZIP Code</b> _____

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EPA I.D. Number (enter from page 1)

Secondary ID Number (enter from page 1)

K S D 0 0 0 2 0 3 6 3 8

XI. Nature of Business (provide a brief description)

## XII. Process - Codes and Design Capacities

A. **PROCESS CODE** - Enter the code from the list of process codes below that best describes each process to be used at the facility. Twelve lines are provided for entering codes. If more lines are needed, attach a separate sheet of paper with the additional information. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided in Item XIII.

B. **PROCESS DESIGN CAPACITY** - For each code entered in column A, enter the capacity of the process.

1. **AMOUNT** - Enter the amount. In a case where design capacity is not applicable (such as in a closure/post-closure or enforcement action) enter the total amount of waste for that process unit.

2. **UNIT OF MEASURE** - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

C. **PROCESS TOTAL NUMBER OF UNITS** - Enter the total number of units used with the corresponding process code.

PROCESS CODE	PROCESS	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	UNIT OF MEASURE	UNIT OF MEASURE CODE
D79	<b>DISPOSAL:</b> INJECTION WELL	GALLONS; LITERS; GALLONS PER DAY; OR LITERS PER DAY	GALLONS .....	G
D80	LANDFILL	ACRE-FEET OR HECTARE-METER	GALLONS PER HOUR .....	E
D81	LAND APPLICATION	ACRES OR HECTARES	GALLONS PER DAY .....	U
D82	OCEAN DISPOSAL	GALLONS PER DAY OR LITERS PER DAY	LITERS .....	L
D83	SURFACE IMPOUNDMENT	GALLONS OR LITERS	LITERS PER HOUR .....	H
S01	<b>STORAGE:</b> CONTAINER (barrel, drum, etc.)	GALLONS OR LITERS	LITERS PER DAY .....	V
S02	TANK	GALLONS OR LITERS	SHORT TONS PER HOUR .....	D
S03	WASTE PILE	CUBIC YARDS OR CUBIC METERS	METRIC TONS PER HOUR .....	W
S04	SURFACE IMPOUNDMENT	GALLONS OR LITERS	SHORT TONS PER DAY .....	N
T01	<b>TREATMENT:</b> TANK	GALLONS PER DAY OR LITERS PER DAY	METRIC TONS PER DAY .....	S
T02	SURFACE IMPOUNDMENT	GALLONS PER DAY OR LITERS PER DAY	POUNDS PER HOUR .....	J
T03	INCINERATOR	SHORT TONS PER HOUR; METRIC TONS PER HOUR; GALLONS PER HOUR; LITERS PER HOUR; OR BTU'S PER HOUR	KILOGRAMS PER HOUR .....	R
T04	<b>OTHER TREATMENT</b> <small>(Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundment or incinerators. Describe the processes in the space provided in Item XIII.)</small>	GALLONS PER DAY; LITERS PER DAY; POUNDS PER HOUR; SHORT TONS PER HOUR; KILOGRAMS PER HOUR; METRIC TONS PER DAY; METRIC TONS PER HOUR; OR SHORT TONS PER DAY	CUBIC YARDS .....	Y
			CUBIC METERS .....	C
			ACRES .....	B
			ACRE-FEET .....	A
			HECTARES .....	Q
			HECTARE-METER .....	F
			BTU'S PER HOUR .....	K

EPA I.D. Number (enter from page 1)

Secondary ID Number (enter from page 1)

K S D 0 0 0 2 0 3 6 3 8

## XII. Process - Codes and Design Capacities (continued)

EXAMPLE FOR COMPLETING ITEM XII (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

Line Number	A. PROCESS CODE (from list above)			B. PROCESS DESIGN CAPACITY		C. PROCESS TOTAL NUMBER OF UNITS	FOR OFFICIAL USE ONLY			
				1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)					
X 1	S	0	2	600	G	0 0 2				
X 2	T	0	3	20	E	0 0 1				
1										
2										
3										
4										
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12										

NOTE: If you need to list more than 12 process codes, attach an additional sheet(s) with the information in the same format as above. Number the lines sequentially, taking into account any lines that will be used for additional treatment processes in item XIII.

## XIII. Additional Treatment Processes (follow instructions from Item XII)

Line Number (enter numbers in sequence with Item XII)	A. PROCESS CODE			B. TREATMENT PROCESS DESIGN CAPACITY		C. PROCESS TOTAL NUMBER OF UNITS	D. DESCRIPTION OF PROCESS
				1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)		
	T	0	4				
	T	0	4				
	T	0	4				
	T	0	4				



EPA I.D. Number (enter from page 1)

Secondary ID Number (enter from page 1)

K S D 0 0 0 2 0 3 6 3 8

## XIV. Description of Hazardous Wastes

- A. EPA HAZARDOUS WASTE NUMBER - Enter the four-digit number from 40 CFR, Part 261 Subpart D of each listed hazardous waste you will handle. For hazardous wastes which are not listed in 40 CFR, Part 261 Subpart D, enter the four-digit number(s) from 40 CFR, Part 261 Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.
- B. ESTIMATED ANNUAL QUANTITY - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

## D. PROCESSES

## 1. PROCESS CODES:

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item XII A. on page 3 to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous waste: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item XII A. on page 3 to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

NOTE: THREE SPACES ARE PROVIDED FOR ENTERING PROCESS CODES. IF MORE ARE NEEDED:

- Enter the first two as described above.
  - Enter "000" in the extreme right box of Item XIV-D(1).
  - Enter in the space provided on page 7, Item XIV-E, the line number and the additional code(s).
2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form (D(2)).

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER - Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

- Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "Included with above" and make no other entries on that line.
- Repeat step 2 for each EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM XIV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

Line Number	A. EPA HAZARD WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESS	
				(1) PROCESS CODES (enter)	(2) PROCESS DESCRIPTION (if a code is not entered in D(1))
X 1	K 0 0 2	900	P	T 0 3 D 0 0	
X 2	D 0 0 2	200	P	T 0 3 D 0 0	
X 3	D 0 0 1	100	P	T 0 3 D 0 0	
X 4	D 0 0 2				Included With Above

EPA I.D. Number (enter from page 1)

Secondary ID Number (enter from page 1)

K S D Q 2 0 3 6 3 8

XIV. Description of Hazardous Wastes (continued)

Line Number	A. <del>HAZARDOUS</del> WASTE NO. (enter <del>WASTE</del> )	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES										(2) PROCESS DESCRIPTION (if a code is not entered in D(1))
				(1) PROCESS CODES (enter)										
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FORM 1		ENVIRONMENTAL PROTECTION AGENCY GENERAL INFORMATION (Consolidated Permit Program) (Read the General Instructions before starting)		EPA ID NUMBER KSD000203638	
<b>I. LABEL ITEMS</b> I. EPA ID NUMBER II. FACILITY NAME III. FACILITY MAILING ADDRESS IV. FACILITY LOCATION		PLEASE PLACE LABEL IN THIS SPACE		<b>GENERAL INSTRUCTIONS</b> If a preprinted label has been provided, affix it in the designated space. Review the information carefully. If any data is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data does not fit the area of the label, please provide it in the proper fill-in area below. If the label is complete and correct, you need not complete items I, II, III, IV, and V (except VI-B which must be completed regardless). Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorization under which this data is collected.	
<b>II. POLLUTANT CHARACTERISTICS</b> <b>INSTRUCTIONS:</b> Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also Section D of the instructions for definitions of bold-faced terms.					
SPECIFIC QUESTIONS		MARK X (if supplemental form attached)		SPECIFIC QUESTIONS	
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S. (FORM 2A)?		X		B. Does or will this facility (other existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in discharge to waters of the U.S. (FORM 2B)?	
C. Is this facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)		X		D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S. (FORM 2D)?	
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)		X YES		F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing within one quarter mile of the well bore underground sources of drinking water? (FORM 4)	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X		H. Do you or will you inject at this facility fluids for special processes such as mining or sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)	
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X		J. Is this facility a proposed stationary source which is not one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)	
<b>III. NAME OF FACILITY</b> SKIP <b>OLIN WATER SERVICES, OLIN CORPORATION</b>					
<b>IV. FACILITY CONTACT</b> NAME/TITLE/PHONE (area code) <b>JENKINS GLEN D PLANT MANAGER 913 621 6440</b>					
<b>V. FACILITY MAILING ADDRESS</b> A. STREET OR P.O. BOX <b>305 SUNSHINE ROAD</b> B. CITY OR TOWN <b>KANSAS CITY</b> C. STATE <b>KS</b> D. ZIP CODE <b>66115</b>					
<b>VI. FACILITY LOCATION</b> A. STREET, ROUTE, NO. OR OTHER SPECIFIC IDENTIFIER <b>3155 FIBERGLASS ROAD</b> B. COUNTY NAME <b>WYANDOTTE</b> C. CITY OR TOWN <b>KANSAS CITY</b> D. STATE <b>KS</b> E. ZIP CODE <b>66115</b> F. COUNTY (if different)					



7,3,9,9	Water Chemicals	7,3,9,9 (specify)	Business Services, N.E.C.
(specify)	N/A	(specify)	N/A

**OPERATOR INFORMATION**

OLIN WATER SERVICES OLIN CORPORATION	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
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STATUS OF OPERATOR (Enter the appropriate letter in the answer box. If "Other," specify.)	PHONE (Area code, no.)
FEDERAL (M - PUBLIC (other than federal or state)) STATE (O - OTHER (federal or state)) PRIVATE (P - OTHER (specify))	913 621 6440

STREET OR P.O. BOX
5 SUNSHINE ROAD

CITY OR TOWN	STATE	ZIP CODE	<input checked="" type="checkbox"/> INDIAN LAND
KANSAS CITY	KS	66115	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

**EXISTING ENVIRONMENTAL PERMIT**

NECES. (Discharge to surface water)	DISP. (Air Emissions from Proposed Sources)
NONE	NONE
Underground Injection of Fluids	OTHER (specify)
NONE	710 (specify) Wastewater Discharge Permit (for discharge to municipal sewer system)
RCRA (Hazardous Wastes)	OTHER (specify)
* SEE BELOW	(specify)

to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show line of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste storage or disposal facilities, and each well where it injects fluids underground. Include all ponds, rivers and other surface dyes in the map area. See instructions for precise requirements.

**DESCRIPTION OF BUSINESS (provide a brief description)**

Prepare liquid and powder water treatment formulations

- \* Plant has a hazardous waste storage area which is currently operating under interim status. Part B RCRA hazardous waste facility permit application was submitted to EPA Region VII and the Kansas Department of Health and Environment on March 11, 1983.

**DECLARATION (see instructions)**

I, the undersigned, declare under penalty of perjury that I have personally examined and am familiar with the information submitted in this application and all attachments, and that, based on my inquiry of those persons immediately responsible for obtaining the information contained herein, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. OFFICIAL TITLE (type or print) Madsen, Director Business and Business Development	B. SIGNATURE <i>Blaine M Madsen</i>	C. DATE SIGNED 11/23/83
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**FOR OFFICIAL USE ONLY**



Form Approved OMB No. 158-S80004

FOR OFFICIAL USE ONLY									
APPLICATION APPROVED			DATE RECEIVED (yr., mo., & day)			COMMENTS			
	23		24	-	29				

Place an "X" in the appropriate box in A or B below (*mark one box only*) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

☐ 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.)

71

C	YR.	MO.	DAY
8			
15	73 74	75 76	77 78

☐ 2. NEW FACILITY (Complete item below.)

71

YR.	MO.	DAY
73 74	75 76	77 78

FOR EXISTING FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left)

FOR NEW FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR IS EXPECTED TO BEGIN

☒ 1. FACILITY HAS INTERIM STATUS ☐ 2. FACILITY HAS A RCRA PERMIT

A. **PROCESS CODE** — Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (*including its design capacity*) in the space provided on the form (*Item III-C*).

2. **UNIT OF MEASURE** — For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PRO- CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS	DESIGN CAPACITY	PROCESS	PRO- CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS	DESIGN CAPACITY
<b>Storage:</b>				<b>Treatment:</b>			
CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS		TANK	T01	GALLONS PER DAY OR LITERS PER DAY	
TANK	S02	GALLONS OR LITERS		SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY	
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS			T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR	
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS		INCINERATOR	T04	GALLONS PER DAY OR LITERS PER DAY	
<b>Disposal:</b>				<i>OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.)</i>			
INJECTION WELL	D79	GALLONS OR LITERS					
LANDFILL	D80	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR					
		HECTARE-METER					
LAND APPLICATION	D81	ACRES OR HECTARES					
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY					
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS					
UNIT OF MEASURE	CODE	UNIT OF MEASURE	CODE	UNIT OF MEASURE	CODE	UNIT OF MEASURE	CODE
GALLONS	G	LITERS PER DAY	V	ACRE-FEET	A		
LITERS	L	TONS PER HOUR	D	HECTARE-METER	F		
CUBIC YARDS	Y	METRIC TONS PER HOUR	W	ACRES	B		
CUBIC METERS	C	GALLONS PER HOUR	E	HECTARES	Q		
GALLONS PER DAY	U	LITERS PER HOUR	H				

**EXAMPLE FOR COMPLETING ITEM III (shown in line numbers X-1 and X-2 below):** A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

[illegible]

**III. PROCESSES (continued)**

**C. SPACE FOR ADDITIONAL PROCESS CODES** FOR DESCRIBING OTHER PROCESSES (code "T0" FOR EACH PROCESS ENTERED HERE  
INCLUDE DESIGN CAPACITY.

**IV. DESCRIPTION OF HAZARDOUS WASTES**

**A. EPA HAZARDOUS WASTE NUMBER** — Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

**B. ESTIMATED ANNUAL QUANTITY** — For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

**C. UNIT OF MEASURE** — For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

**D. PROCESSES****1. PROCESS CODES:**

**For listed hazardous waste:** For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

**For non-listed hazardous wastes:** For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

**Note:** Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

**2. PROCESS DESCRIPTION:** If a code is not listed for a process that will be used, describe the process in the space provided on the form.

**NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER** — Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

- Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "Included with above" and make no other entries on that line.
- Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

**EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below)** — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES							
	1. PROCESS CODES (enter)						2. PROCESS DESCRIPTION (if a code is not entered in D(1))							
-1	K	0	5	4	900	P	T	0	3	D	8	0		
-2	D	0	0	2	400	P	T	0	3	D	8	0		
-3	D	0	0	1	100	P	T	0	3	D	8	0		
-4	D	0	0	2									included with above	

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

Form Approved OMB No. 158-S80004

EPA I.D. NUMBER (enter from page 1)													FOR OFFICIAL USE ONLY																	
<div> <div>8</div> <div>W K S D 0 0 0 2 0 3 6 3 8</div> <div>T/A C</div> <div>1</div> </div>													<div> <div>8</div> <div>W</div> <div>DUP</div> <div>T/A C</div> <div>2</div> <div>DUP</div> </div>																	
IV. DESCRIPTION OF HAZARDOUS WASTES (continued)																														
LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES																							
	23	24	25	26			1. PROCESS CODES (enter)								2. PROCESS DESCRIPTION (if a code is not entered in D(1))															
							27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
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2	U	0	3	1	1000	P	S	0	1																					
3	U	0	7	0	1000	P	S	0	1																					
4	U	1	1	4	3000	P	S	0	1																					
5	U	1	3	3	2000	P	S	0	1																					
6	D	0	0	1	15000	P	S	0	1																					
7	D	0	0	2	30000	P	S	0	1																					
8	D	0	0	7	5000	P	S	0	1																					
9	D	0	0	3	15000	P	S	0	1																					
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**IV. DESCRIPTION OF HAZARDOUS WAS**

(continued)

**E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.**

EPA I.D. NO. (enter from page 1)

S	F	K	S	D	0	0	0	2	0	3	6	3	8	T/A	C
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

**V. FACILITY DRAWING**

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

**VI. PHOTOGRAPHS**

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

**VII. FACILITY GEOGRAPHIC LOCATION**

LATITUDE (degrees, minutes, &amp; seconds)

LONGITUDE (degrees, minutes, &amp; seconds)

65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
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**VIII. FACILITY OWNER**

☐ A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER

2. PHONE NO. (area code &amp; no.)

C	E	55	56	57	58	59	60	61	62	63	64	65
12	13	14	15	16	17	18	19	20	21	22	23	24

3. STREET OR P.O. BOX

4. CITY OR TOWN

S. ST.

6. ZIP CODE

C	F	45	46	47	48	49	50	51	52	53	54
12	13	14	15	16	17	18	19	20	21	22	23

**IX. OWNER CERTIFICATION**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)

Blaine M. Madsen, Director  
Operations and Business Development

B. SIGNATURE

Blaine M. Madsen

C. DATE SIGNED

11/23/84

**X. OPERATOR CERTIFICATION**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)

B. SIGNATURE

C. DATE SIGNED



AGREEMENT FOR TRANSFER

For valuable consideration, Olin Corporation hereby agrees to transfer all rights and responsibilities granted and imposed by Hazardous Waste Facility Permit KSD000203638 issued by the Kansas Department of Health and Environment and the United States Environmental Protection Agency to the Olin Water Services facility at 305 Sunshine Road in Kansas City, Wyandotte County, Kansas to Ashland Chemical, Inc., a wholly-owned subsidiary of Ashland Oil, Inc. Ashland Chemical, Inc. accepts this transfer, and agrees to be bound by all conditions of said permit.

This transfer will be effective on December 29, 1989, and is made pursuant to the requirements of 40 CFR Section 270.42(d).

OLIN CORPORATION

By: \_\_\_\_\_

ASHLAND CHEMICAL, INC.

By: \_\_\_\_\_

# STATE OF KANSAS

## DEPARTMENT OF HEALTH AND ENVIRONMENT DIVISION OF ENVIRONMENT

### PERMIT

### Hazardous Waste Facility

In accordance with the provisions of Kansas Statutes Annotated 65-3430 et. seq.

#### PERMISSION IS HEREBY GRANTED

to OLIN WATER SERVICES, OLIN CORPORATION (HEREIN CALLED THE PERMITTEE)

E.P.A. Identification Number KS D000203638

to operate a HAZARDOUS WASTE STORAGE FACILITY

located at KANSAS CITY, KANSAS AT 3155 FIBERGLASS ROAD

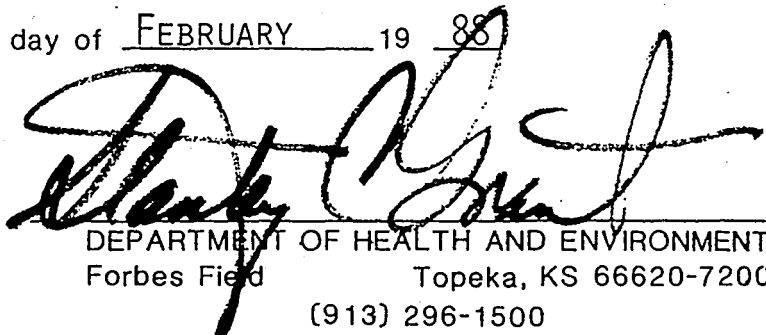
in accordance with rules and regulations of the Department of Health and Environment,  
and the following-named conditions and requirements to wit:

The Permittee must comply with all terms and conditions in Section I through  
III of this permit. This permit consists of the conditions contained herein,  
including those in any attachments, the permit application, including all  
revisions and all applicable hazardous waste regulations contained in K.A.R.  
28-31-1 through 28-31-13 in effect on the date of issuance of this permit.

This permit shall become effective at midnight on FEBRUARY 15, 1988 and shall  
remain in effect until APRIL 7, 1995 unless revoked and  
reissued, or terminated or continued in accordance with K.A.R. 28-31-9.

Done at Topeka, this 11<sup>th</sup> day of FEBRUARY 19 88



  
DEPARTMENT OF HEALTH AND ENVIRONMENT  
Forbes Field Topeka, KS 66620-7200  
(913) 296-1500

STATE OF KANSAS  
DEPARTMENT OF HEALTH AND ENVIRONMENT  
DIVISION OF ENVIRONMENT

PERMIT NO. KSD000203638

In accordance with the provision of Kansas Statutes Annotated 65-3430 et seq.

PERMISSION IS HEREBY GRANTED

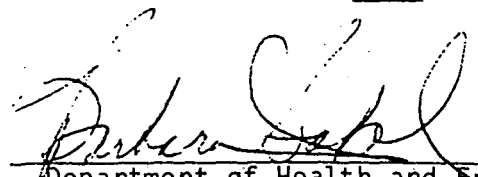
to Olin Water Services - Olin Corporation, I.D. Number KSD000203638 (herein called the Permittee) to operate a hazardous waste storage facility located in Kansas City, Kansas at 3155 Fiberglass Road, at latitude 39° 08' 47" and longitude 94° 36'58" in accordance with rules and regulations of the Department of Health and Environment, (herein called the Secretary or Department) and the following-named conditions and requirements to wit.

The Permittee must comply with all terms and conditions of this permit. This permit consists of the conditions contained herein (including those in any attachments) and the applicable regulations contained in 40 CFR Parts 260 through 264 and 270 and 124 as specified in the permit (Attachment VII). Applicable regulations are those which are in effect on the date of issuance of this permit. (See 40 CFR §270.32(c)).

This permit is based on the assumption that the information submitted in the permit application received on March 14, 1983 as modified by subsequent amendments and letters dated July 18, 1983, April 26, 1984, June 22, 1984, August 7, 1984, September 14, 1984, September 20, 1984, and November 28, 1984, (hereafter referred to as the application) is accurate and that the facility will be constructed and operated as specified in the application. Any inaccuracies found in this information may be grounds for the termination or modification of this permit (see 40 CFR §270.41, §270.42 and §270.43) and potential enforcement action. The Permittee must inform the Kansas Department of Health and Environment of any deviation from or changes in the information in the application which would affect the Permittee's ability to comply with the applicable regulations or permit conditions.

This permit shall become effective at Midnight on April 6, 1985 and shall remain in effect until April 7, 1995, unless revoked and reissued, or terminated (40 CFR §270.41 and §270.43) or continued in accordance with §270.51(a).

Done at Topeka, this 6th day of March, 1985

  
\_\_\_\_\_  
Department of Health and Environment

SECTION I  
STANDARD CONDITIONS

A. EFFECT OF PERMIT

The Olin Water Services, Olin Corporation, hereafter referred to as the Permittee, is allowed to store hazardous waste in accordance with the conditions of this permit. Any storage of hazardous waste not authorized in this permit is prohibited. Compliance with this permit constitutes compliance, for purposes of enforcement, with K.S.A. 65-3430 et seq. and K.A.R. 28-31-1 through 28-31-13 and Subtitle C of the Resource Conservation and Recovery Act (RCRA). Issuance of this permit does not convey property rights of any sort or any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of State or local law or regulations. Compliance with the terms of this permit does not constitute a defense to any order issued or any action brought under Section 3013 or Section 7003 of RCRA, Section 106(a) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (42 U.S.C. 9606 (a), commonly known as CERCLA), or any other law providing for protection of public health or the environment.

B. PERMIT ACTIONS (40 CFR 270.30(f))

This permit may be modified, revoked and reissued, or terminated for cause as specified in 40 CFR 270.41, 270.42, and 270.43. The filing of a request for a permit modification, revocation and reissuance, or termination or the notification of planned changes or anticipated noncompliance on the part of the Permittee, does not stay the applicability or enforceability of any permit condition.

C. SEVERABILITY

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances and the remainder of this permit shall not be affected thereby.

D. DUTIES AND REQUIREMENTS

1. Duty to Comply (40 CFR 270.30(a)) The Permittee shall comply with all conditions of this permit, except to the extent and for the duration such noncompliance is authorized by an emergency permit. Any permit noncompliance, other than noncompliance authorized by an emergency permit, constitutes a violation of RCRA and is grounds for enforcement action, permit termination, revocation and reissuance, modification, or denial of a permit renewal application.



2. Duty to Reapply (40 CFR 270.30(b) and 270.10(h)) If the Permittee wishes to continue an activity allowed by this permit after the expiration date of this permit, the Permittee shall submit a complete application for a new permit at least 180 days before this permit expires, unless permission for a later submission date has been granted.
3. Permit Expiration (40 CFR 270.51) This permit and all conditions herein will remain in effect beyond the permit's expiration date if the Permittee has submitted a timely, complete application (see 40 CFR 270.13 thru 270.29) and through no fault of the Permittee the Secretary has not issued a new permit as set forth in 40 CFR 270.51.
4. Need to Halt or Reduce Activity Not a Defense (40 CFR 270.30(c)) It shall not be a defense for the Permittee in an enforcement action, that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
5. Duty to Mitigate (40 CFR 270.30(d)) In the event of noncompliance with the permit, the Permittee shall take all reasonable steps to minimize releases to the environment, and shall carry out such measures as are reasonable to prevent significant adverse impacts on human health or the environment.
6. Proper Operation and Maintenance (40 CFR 270.30(e)) The Permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of the permit.
7. Duty to Provide Information (40 CFR 270.30(h)) The Permittee shall furnish to the Secretary, within a reasonable time, any relevant information which the Secretary may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The Permittee shall also furnish to the Secretary, upon request, copies of records required to be kept by this permit.
8. Inspection and Entry (40 CFR 270.30(i)) The Permittee shall allow the Secretary, or an authorized representative, upon the presentation of credentials and other documents as may be required by law to:
  - (a) Enter at reasonable times upon the Permittee's premises where a regulated activity is located or conducted, or where records must be kept under the conditions of this permit;

- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
- (d) Sample or monitor, at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by RCRA, any substances or parameters at any location.

9. Monitoring and Records (40 CFR 270.30(j))

- (a) Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. The method used to obtain a representative sample of the waste to be analyzed must be the appropriate method from Appendix I of 40 CFR Part 261.

Laboratory methods are specified in Test Methods for Evaluating Solid Waste: Physical/Chemical Methods SW-846 (July 1982). These analytical methods or an equivalent may be utilized for monitoring purposes.

- (b) The Permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original recordings for continuous monitoring instrumentation, copies of all reports and records required by this permit, and records of all data used to complete the application for this permit for a period of at least three years from the date of the sample, measurement, report or record. These periods may be extended by request of the Secretary at any time and are automatically extended during the course of any unresolved enforcement action regarding this facility.
- (c) Records of monitoring information shall specify:
  - (i) The dates, exact place, and times of sampling or measurements;
  - (ii) The individuals who performed the sampling or measurements;
  - (iii) The dates analyses were performed;
  - (iv) The individuals who performed the analyses;
  - (v) The analytical techniques or methods used; and
  - (vi) The results of such analyses.

10. Reporting Planned Changes (40 CFR 270.30(1)(1)) The Permittee shall give notice to the Secretary as soon as possible of any planned physical alterations or additions to the permitted facility.

The replacement of worn or broken parts need not be reported as long as replacement is with an equivalent component which does not adversely affect the designed operating procedures or performance of the facility.

11. Anticipated Noncompliance (40 CFR 270.30(1)(2)) The Permittee shall give advance notice to the Secretary of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
12. Transfer of Permits (40 CFR 270.30(1)(3) and 264.12(c) and 270.40)) This permit is not transferrable to any person except after notice to the Secretary. This permit may be transferred to a new owner or operator only if it is modified or revoked and reissued pursuant to 40 CFR 270.41(b)(2) or 270.42(d). Before transferring ownership or operation of the facility during its operating life, the Permittee shall notify the new owner or operator in writing of the requirements of 40 CFR Parts 264 and 270.
13. Compliance Schedules (40 CFR 270.30(1)(5)) Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.
14. Twenty-four Hour Reporting (40 CFR 270.30(1)(6)) The Permittee shall report any noncompliance which may endanger health or the environment orally within 24 hours from the time the Permittee becomes aware of the circumstances, including:
- (a) Information concerning the release of any hazardous waste which may endanger public drinking water supplies.
  - (b) Information concerning the release or discharge of any hazardous waste, or of a fire or explosion at the facility, which could threaten the environment or human health outside the facility.
  - (c) The description of the occurrence and its cause shall include:

- (i) Name, address, and telephone number of the owner or operator;
  - (ii) Name, address, and telephone number of the facility;
  - (iii) Date, time, and type of incident;
  - (iv) Name and quantity of materials involved;
  - (v) The extent of injuries, if any;
  - (vi) An assessment of actual or potential hazard to the environment and human health outside the facility, where this is applicable; and
  - (vii) Estimated quantity and disposition of recovered material that resulted from the incident.
- (d) A written submission shall also be provided within 5 days of the time the Permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the periods of noncompliance (including exact dates and times); whether the noncompliance has been corrected; and if not, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. The Permittee need not comply with the five day written notice requirement if the Secretary waives the requirement and the Permittee submits a written report within fifteen days of the time the Permittee becomes aware of the circumstances.
15. Other Noncompliance (40 CFR 270.30(1)(10)) The Permittee shall report all other instances of noncompliance not otherwise required to be reported above, at the time monitoring reports, as required by this permit are submitted. The reports shall contain the information listed in the condition "Twenty-four Hour Reporting" of this section.
16. Other Information (40 CFR 270.30(1)(11)) Whenever the Permittee becomes aware that he failed to submit any relevant facts in the permit application, or submitted incorrect information in a permit application or in any report to the Secretary, the Permittee shall promptly submit such facts or information.
17. Other Requirement The Permittee shall defend, indemnify, and hold harmless the State of Kansas, its officers, agents, and employees officially or personally against all actions, claims, demands whatsoever which may arise from or on account of the issuance of this permit or the construction or maintenance of any facilities hereunder.



E. SIGNATORY REQUIREMENT (40 CFR 270.11)

All reports or other information requested by the Secretary shall be signed and certified as required by 40 CFR 270.11.

F. CONFIDENTIAL INFORMATION (40 CFR 270.12)

The Permittee may claim confidentiality for any information required to be submitted by this permit in accordance with 40 CFR 270.12.

G. DOCUMENTS TO BE MAINTAINED AT FACILITY SITE

The Permittee shall maintain at the facility the following documents and amendments, revisions and modifications to these documents as specified by the regulations cited below:

1. Waste Analysis Plan as required by 40 CFR 264.13 and this permit.
2. Personnel training documents and records as required by 40 CFR 264.16(d) and (e) and this permit.
3. Contingency Plan as required by 40 CFR 264.53(a) and this permit.
4. Closure Plan as required by 40 CFR 264.112(a) and this permit.
5. Cost estimate for facility closure as required by 40 CFR 264.142(d) and this permit.
6. Operating record as required by 40 CFR 264.73 and this permit.
7. Inspection schedules as required by 40 CFR 264.15(b) and this permit.

H. AVAILABILITY, RETENTION AND DISPOSITION OF RECORDS (40 CFR 264.74)

1. The Permittee must furnish all required records, including plans, upon request and will make those records available at all reasonable times for inspection, by any officer, employee or representative of the Department who is duly designated by the Secretary.
2. Unless otherwise specified, all records and/or copies thereof required to be maintained by the terms of this permit will be kept on-site for at least three years.
3. The retention period for all required records is extended automatically during the course of any unresolved enforcement action regarding the facility or as requested by the Secretary.

## SECTION II

### GENERAL FACILITY CONDITIONS

#### A. DESIGN AND OPERATION OF FACILITY (40 CFR 264.31)

The Permittee shall design, construct, maintain, and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment. This includes adherence to operating conditions and procedures, and emergency shutdown procedures specified in the permit application and in this permit.

#### B. REQUIRED NOTICE (40 CFR 264.12)

Before transferring ownership or operation of a facility during its operating life, or of a disposal facility during the post-closure care period, the owner or operator must notify the Secretary and the new owner or operator. He must also notify the new owner or operator in writing of the requirements of Part 264 and Part 270.

#### C. GENERAL WASTE ANALYSIS (40 CFR 264.13)

The Permittee shall follow the procedures described in the attached Waste Analysis Plan, Attachment I. Waste analysis shall comply with the requirement of 40 CFR 264.13, and 40 CFR 264.17.

#### D. SECURITY (40 CFR 264.14)

The Permittee shall comply with the security provisions of 40 CFR 264.14(b) and (c).

1. The Permittee must prevent the unknowing entry, and minimize the possibility for the unauthorized entry, of persons or livestock onto the active portions of this facility. An artificial or natural barrier which completely surrounds the active portion of the facility and a means to control entry through gates or other entrances to the facility must be maintained at all times.
2. In addition, the Permittee must post signs bearing the legend "Danger -Unauthorized Personnel Keep Out," on each side of the hazardous waste storage facility. This legend must be written in English and must be legible from a distance of at least 25 feet.

3. The Permittee will advise the Secretary if unauthorized entry occurred at the facility which caused hazardous waste to be discharged, the nature of problems, if any, that resulted from this occurrence, and corrective action taken by the facility to prevent future happenings. This includes any tampering, destruction or loss at the facility which caused release of hazardous waste.

E. GENERAL INSPECTION REQUIREMENTS (40 CFR 264.15)

1. The Permittee must inspect the facility as per the attached Inspection Schedule, Attachment II, for malfunctions and deterioration, operator errors and discharges which may be causing -or may lead to-(1) release of hazardous waste constituents to the environment, or (2) a threat to human health.
2. The Permittee must follow the attached written schedule for the inspection of monitoring equipment, safety and emergency equipment, security devices, and operating and structural equipment (such as sump pumps) that are important to preventing, detecting, or responding to environmental or human health hazards. The Permittee must keep this schedule at the facility.
3. The Permittee must remedy any observed deterioration or malfunction of equipment or structures (such as leaks, cracks, or wall thinning) to ensure that the problem does not lead to an environmental or human health hazard. Where a hazard is imminent or has already occurred, remedial action must be taken immediately.
4. The Permittee must record inspections in an inspection log or summary. The log or summary shall be kept for at least three years from the date of inspection. At a minimum, these records must include the date and time of the inspection, the name of the inspector, a notation of the observations made, and the date and nature of any repairs or other remedial actions.

F. PERSONNEL TRAINING (40 CFR 264.16)

The Permittee shall conduct personnel training as required by 40 CFR 264.16. This training program shall follow the attached outline, Attachment III. Facility personnel must complete the training program within six months after the date of their employment or assignment to the facility, or assignment to a new position at the facility. Personnel must not work in unsupervised positions until they have completed this training program. Facility personnel must take part in an annual review of the required initial training. The training program shall be directed by a person trained in hazardous waste management procedures. The Permittee shall maintain training documents and records as required by 40 CFR 264.16(d) and (e).

G. GENERAL REQUIREMENTS FOR IGNITABLE, REACTIVE, OR INCOMPATIBLE WASTE (40 CFR 264.17)

1. The Permittee must take precautions to prevent accidental ignition or reaction of ignitable or reactive waste. This waste must be separated and protected from sources of ignition or reaction including, but not limited to: open flames, smoking, cutting and welding, hot surfaces, frictional heat, sparks (static, electrical, or mechanical), spontaneous ignition (e.g., from heat-producing chemical reactions-sunlight), and radiant heat. While ignitable or reactive waste is being handled, the Permittee will confine smoking and open flame to specially designated locations. "No Smoking" signs will be conspicuously placed wherever there is a hazard from ignitable or reactive waste.
2. The Permittee must take precautions to prevent reactions which:
  - (a) Generate extreme heat or pressure, fire or explosions, or violent reactions;
  - (b) Produce uncontrolled toxic mists, fumes, dusts, or gases in sufficient quantities to threaten human health or the environment;
  - (c) Produce uncontrolled flammable fumes or gases in sufficient quantities to pose a risk of fire or explosions;
  - (d) Damage the structural integrity of the device or facility;
  - (e) Through other like means threaten human health or the environment.
3. The Permittee must document compliance with the requirements of 40 CFR 264.17(a) and (b) as outlined in 40 CFR 264.17(c).

H. LOCATION STANDARDS (40 CFR 264.18)

The facility is considered to be located above the hundred-year flood-plain, thus no permit conditions are needed with respect to location standards.

I. PREPAREDNESS AND PREVENTION

1. Required Equipment (40 CFR 264.32) The facility shall be equipped with the following:
  - (a) An internal communications or alarm system capable of providing immediate emergency instruction (voice or signal) to facility personnel.
  - (b) A device, such as a telephone (immediately available at the scene of operations) or a hand-held two-way radio, capable of summoning emergency assistance from local police departments, fire departments or State or local emergency response teams.
  - (c) Portable fire extinguishers, fire control equipment (including special extinguishing equipment, such as that using foam, inert gas, or dry chemicals), spill control equipment, and decontamination equipment.
  - (d) Water at adequate volume and pressure to supply water hose streams or foam producing equipment, or automatic sprinklers or water spray systems.
2. Testing and Maintenance and Equipment (40 CFR 264.33) The Permittee shall test and maintain the equipment specified in the permit condition "Required Equipment" as necessary to assure its proper operation in time of emergency.
3. Access to Communications or Alarm System (40 CFR 264.34) The Permittee shall maintain access to the communication or alarm system as required by 40 CFR 264.34.
  - (a) Whenever hazardous waste is being poured, mixed, or otherwise handled, the Permittee must ensure that all personnel involved in the operation will have immediate access to an internal alarm or emergency communication device, as described in the Part B permit application either directly or through visual or voice contact with another employee.
  - (b) If there is ever just one employee on the premises while the facility is operating, he must have immediate access to a device such as a telephone (immediately available at the scene of operation) or a hand held two-way radio capable of summoning external emergency assistance.



4. Required Aisle Space (40 CFR 264.35) At a minimum, the Permittee shall maintain aisle space to allow unobstructed movement of personnel, fire protection equipment, spill control equipment, and decontamination equipment to any area of the facility in an emergency situation. Aisle space shall be maintained as shown in Attachment VI.
5. Arrangements with Local Authorities (40 CFR 264.37)
  - (a) The Permittee will attempt to make the following arrangements with local authorities.
    - (i) Arrangements to familiarize police, fire departments, and emergency response teams with the layout of the facility, properties of hazardous wastes handled at the facility and associated hazards, places where facility personnel will normally be working, entrances to and roads inside the facility, and possible evacuation routes;
    - (ii) Where more than one police and fire department might respond, agreements designating primary emergency authority to a specific police and a specific fire department, and agreements with any others to provide support to the primary emergency authority where there are more than one;
    - (iii) Agreements with State emergency response teams, emergency response contractors, and equipment suppliers; and
    - (iv) Arrangements to familiarize local hospitals with the properties of hazardous waste handled at the facility and the types of injuries or illnesses which could result from fires, explosions, or releases at the facility.
  - (b) Where State or local authorities decline to enter into such arrangements, the Permittee must document the refusal in the operating record.

J. CONTINGENCY PLAN

1. Implementation of Plan (40 CFR 264.51) The Permittee shall immediately carry out the provisions of the Contingency Plan, Attachment IV, and follow the emergency procedures described by 40 CFR 264.56 whenever there is a fire, explosion, or release of hazardous waste or constituents which threatens or could threaten human health or the environment.

2. Copies of Contingency Plan (40 CFR 264.53) The Permittee must keep a copy of the attached Contingency Plan and all revisions of this plan at the facility and submit the Contingency Plan and all revisions to all local fire departments, police, hospitals, and State and local emergency response teams that may be called to provide emergency services.
3. Amendment of Contingency Plan (40 CFR 264.54)
  - (a) The Permittee must review, and immediately amend if necessary, the attached Contingency Plan, whenever:
    - (i) the permit is revised;
    - (ii) the plan fails in an emergency;
    - (iii) the facility changes -- in its design, construction, operation, maintenance, or other circumstances -- in a way that materially increases the potential for fires, explosions, or releases of hazardous waste or hazardous waste constituents, or changes the response necessary in an emergency;
    - (iv) the list of emergency coordinators changes; or
    - (v) the list of emergency equipment changes; or
    - (vi) when any major revision is warranted.
  - (b) Amendments to the Contingency Plan are subject to the permit modification requirements of 40 CFR 270.41 and 270.42.
4. Emergency Coordinator (40 CFR 264.55) The Permittee shall comply with the requirements of 40 CFR 264.55, concerning the emergency coordinator. The Permittee will ensure that at all times there will be at least one employee either on the premises or on call (i.e., available to respond to an emergency by reaching the facility within a short period of time) with responsibility for coordinating all emergency response measures. The emergency coordinator must carry out the responsibilities specified in 40 CFR 264.56, and be thoroughly familiar with all aspects of the facility's Contingency Plan, all operations and activities at the facility, and the location layout. In addition, this person must have the authority to commit the resources needed to carry out the attached Contingency Plan.

K. RECORDKEEPING AND REPORTING

1. Operating Record (40 CFR 264.73) The Permittee must keep a written operating record at the facility. The following information must be recorded, as it becomes available, and maintained in the operating record until closure of the facility:
  - (a) A description and the quantity of each hazardous waste received, and the method(s) and date(s) of its storage at the facility as required by Appendix I of 40 CFR Part 264.
  - (b) The location of each hazardous waste within the facility and the quantity at each location. This information must include cross-references to specific manifest document numbers if the waste was accompanied by a manifest.
  - (c) Records and results of waste analyses performed as specified in 40 CFR 264.13 and 264.17.
  - (d) Summary reports and details of all incidents that require implementation of the Contingency Plan;
  - (e) Records and results of inspections as required by 40 CFR 264.15;
  - (f) All closure cost estimates as required by 40 CFR 264.142.
2. Biennial Report (40 CFR 264.75 and 270.30(1)(9)) The Permittee shall comply with biennial report requirements of 40 CFR 264.75 and any other annual reporting requirement of the Secretary.

L. CLOSURE (40 CFR 264, Subpart G)

1. Performance Standard (CFR 264.111) The Permittee shall close the facility as required by 40 CFR 264.111 and in accordance with the Closure Plan, Attachment V.
2. Closure Plan (40 CFR 264.112)
  - (a) A copy of the approved Closure Plan and all revision to the Closure Plan must be kept at the facility until closure is completed and certified by the Permittee and by an independent registered professional engineer.

- (b) The Closure Plan may be amended at any time during the active life of the facility (the active life of the facility is that period during which wastes are periodically received). The Permittee must amend the plan whenever changes in operating plans or facility design affect the Closure Plan, or whenever there is a change in the expected year of closure. When the Permittee requests a permit modification to authorize a change in operating plans or facility design, he must request a modification of the Closure Plan at the same time. If a permit modification is not needed to authorize the change in operating plans or facility design, the request for modification of the Closure Plan must be made within 60 days after the change in plans or design occurs.
- (c) Amendments to the Closure Plan are subject to the permit modification requirements of 40 CFR 270.41 and 270.42.
- 3. Notification of Closure (40 CFR 264.112(c)) The Permittee shall notify the Secretary at least 180 days prior to the date he expects to begin closure.
- 4. Time Allowed for Closure (40 CFR 264.113) The Permittee shall treat or remove from the facility site all hazardous wastes within 90 days after receiving the final volume of hazardous wastes and in accordance with the Closure Plan, Attachment V. The Permittee shall complete all closure activities within 180 days after receiving the final volume of hazardous wastes and in accordance with the Closure Plan.
- 5. Disposal or Decontamination of Equipment (40 CFR 264.114) The Permittee shall decontaminate and/or dispose of all facility equipment as required by 40 CFR 264.114 and the Closure Plan, Attachment V.
- 6. Certification of Closure (40 CFR 264.115) When closure is completed, the Permittee must submit to the Secretary certification both by the Permittee and by an independent registered professional engineer that the facility has been closed in accordance with the specifications in the approved Closure Plan.
- M. COST ESTIMATE FOR FACILITY CLOSURE (40 CFR 264.142)

The Permittee's closure cost estimate, prepared in accordance with 40 CFR 264.142(a), is specified in Attachment V.

- 1. The Permittee must adjust the closure cost estimate for inflation within 30 days after each anniversary of the date on which the first closure cost estimate was prepared, in the manner required by 40 CFR 264.142(b).

The annual inflation adjustment of the closure cost estimate is not subject to the permit modification requirements of 40 CFR Part 270.

2. The Permittee must revise the closure cost estimate whenever there is a change in the facility's Closure Plan as required by 40 CFR 264.142(c).

This type of revision is subject to the permit modification requirements of 40 CFR 270.41 and 270.42.

3. The Permittee must keep at the facility the latest adjusted closure cost estimate as required by 40 CFR 264.142(d).

N. FINANCIAL ASSURANCE FOR FACILITY CLOSURE (40 CFR 264.143)

The Permittee must demonstrate continuous compliance with 40 CFR 264.143 by providing documentation of financial assurance, as required by 40 CFR 264.149 and 264.151, in at least the amount of the cost estimates required by permit condition "Cost Estimate for Facility Closure." Changes in financial assurance mechanisms must be approved by the Secretary pursuant to 40 CFR 264.143.

O. LIABILITY REQUIREMENTS (40 CFR 264.147)

The Permittee shall demonstrate continuous compliance with the requirements of 40 CFR 264.147 and the documentation requirements of 40 CFR 264.149 and 264.151, including the requirements to have and maintain liability coverage for sudden accidental occurrences in the amount of at least \$1 million per occurrence with an annual aggregate of at least \$2 million, exclusive of legal defense costs.

P. INCAPACITY OF OWNERS OR OPERATORS, GUARANTORS, OR FINANCIAL INSTITUTIONS (40 CFR 264.148)

The Permittee shall comply with 40 CFR 264.148 whenever necessary.

SECTION III

STORAGE IN CONTAINERS

A. WASTE IDENTIFICATION

1. The Permittee may store only the following hazardous wastes in containers at the facility, subject to the terms of this permit.

<u>EPA HAZARDOUS WASTE NO.</u>	<u>DESCRIPTION</u>
D001	A solid waste that exhibits the characteristic of ignitability, but is not listed as a hazardous waste in 40 CFR Part 261, Subpart D.
D002	A solid waste that exhibits the characteristic of corrosivity, but is not listed as a hazardous waste in 40 CFR Part 261, Subpart D.
D003	A solid waste that exhibits the characteristic of reactivity, but is not listed as a hazardous waste in 40 CFR Part 261, Subpart D.
D007	A solid waste that exhibits the characteristic of EP Toxicity, if using the test method in 40 CFR Part 261, Appendix II, the extract from a representative sample of the waste contains chromium at a concentration greater than or equal to 5.0 milligrams/liter, and is not listed as a hazardous waste in 40 CFR Part 261 Subpart D.
U031	n-Butyl Alcohol
U070	o-Dichlorobenzene
U133	Hydrazine
U114	Ethylenebis(dithiocarbamic acid) 1,2-Ethanediybis carbamodithioic acid
U242	Phenol, pentachloro

2. The hazardous wastes identified above shall be stored in a maximum of 200 fifty-five (55) gallon drums meeting the U.S. Department of Transportation specifications. The drums of hazardous waste shall be stored in the hazardous waste storage building or area.



B. CONTAINER STORAGE AND CONTAINMENT SYSTEM

1. Condition of Containers (40 CFR 264.171) If a container holding hazardous waste is not in good condition (e.g., severe rusting, apparent structural defects) or if it begins to leak, the Permittee shall transfer the hazardous waste from such container to a container that is in good condition or otherwise manage the waste in compliance with the conditions of this permit.
2. Compatibility of Waste with Containers (40 CFR 264.172) The Permittee must use a container made of or lined with materials which will not react with, and are otherwise compatible with, the hazardous waste to be stored, so that the ability of the container to contain the waste is not impaired.
3. Management of Containers (40 CFR 264.173) The Permittee must always manage containers such that:
  - (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste.
  - (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
4. Special Requirements for Ignitable or Reactive Waste (40 CFR 264.176) The Permittee shall not locate containers holding ignitable or reactive waste within 15 meters (50 feet) of the facility's property line on the north and east sides of the hazardous waste storage area. The southern and western sides of the hazardous waste storage area are less than 15 meters (50 feet) from the facility's property line.
5. Special Requirements for Incompatible Wastes (40 CFR 264.177) The Permittee shall store incompatible waste in containers in accordance with the following:
  - (a) Incompatible wastes, or incompatible wastes and materials must not be placed in the same container, unless 40 CFR 264.17(b) is complied with.
  - (b) Hazardous waste must not be placed in an unwashed container that previously held an incompatible waste or material.

- (c) A storage container holding a hazardous waste that is incompatible with any waste or other materials stored nearby in other containers, piles, open tanks, or surface impoundments must be separated from the other materials or protected from them by means of a dike, berm, wall, or other device.
6. Inspections (40 CFR 264.174) At least weekly, the Permittee must inspect the hazardous waste storage building looking for leaking containers and for deterioration of containers and the containment system as specified in Attachment II.
7. Containment System (40 CFR 264.175) The Permittee shall construct, operate, and maintain the containment system as specified in the plans, procedures, and schedule in Attachment VI, and in accordance with the following:
- (a) The base must be free of cracks or gaps and sufficiently impervious to contain leaks, spills and accumulated precipitation until the collected material is removed.
  - (b) The containment system must be designed, constructed, and operated to drain and remove liquids resulting from leaks, spills, or precipitation unless the containers are elevated or otherwise protected from contact with accumulated liquids.
  - (c) The containment system must have sufficient capacity to contain 10 percent of the volume of containers or the volume of the largest container, whichever is greater, plus precipitation. Run-on into the containment system must be prevented.
  - (d) The collection system must have sufficient excess capacity, in addition to that required in III.B.7.(c) above, to contain any run-on into the containment system, unless run-on into the containment system is somehow prevented.
  - (e) Spilled or leaked waste and precipitation accumulated in the sump must be pumped into containers in as timely a manner as necessary to prevent overflow of the collection system and contact of containers with accumulated liquid.
  - (f) Any material removed from the collection system must be sampled and analyzed as either unknown aqueous or unknown non-aqueous liquids in accordance with the Waste Analysis Plan, Attachment I.

8. Schedule of Compliance (40 CFR 270.33) The Permittee shall construct the containment system described in Attachment VI according to the following schedule:

<u>Action Item</u>	<u>Date of Completion</u> (from final permit issuance)
Solicit bids from outside contractors based on specifications of approved design drawings	1 week
Obtain capital funding from Olin Corporate parent	8 weeks
Award Construction Contract	10 weeks
Begin construction	11 weeks
Contact KDHE inspector	16 weeks
Construction complete with waste storage area operational	17 weeks

ATTACHMENTS

<u>NUMBER</u>	<u>DESCRIPTION</u>
Attachment I	Waste Analysis Plan
Attachment II	Inspection Schedule
Attachment III	Personnel Training Program
Attachment IV	Contingency Plan
Attachment V	Closure Plan and Cost Estimate
Attachment VI	Container Storage Area Specifications and Operating Procedures
Attachment VII	RCRA Regulations
Attachment VIII	<u>Federal Register</u> , September 1, 1983